NECHAYEV, C.A.; MAKASHEV, S.D.

Extending the raw material base. TSement 28 no.2:3-5
Mn-Ap '62.

1. Ministerstvo geologii i okhrany nedr SSSR.
(Cement industries)

MAKASHEV, 1.4., red.; BARSKOV, I.M., red.; DMITRIYEV, A.D., red.;

MAKASHEV.

J. Ted.; FEVZHER, A.S., red. izd-wa; GILENSON,
F.G., te.hn., red.

[Abridged stenographic report of the All-Union Conference on Construction, Moscow, 1958] Sokrashohenyl stenograficheskii otchet.

Noskwa, Oos. izd-vo lit-ry po stroit, arkhit. i stroit, materialam,
1958, 334 p.

(MIRA 11;10)

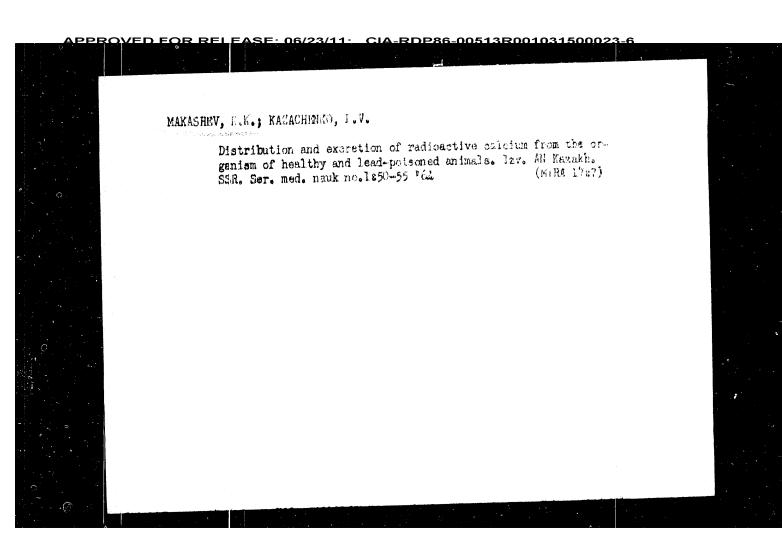
1. Vsesoyuznoye soveshohaniye po stroitel'stvu. Moscow, 1958.

(Gonstruction industry—Congresses)

APPROVED FOR RELEASE: 06/23/11:

MAKASHEV M.Kn.; TKHORZHEVSKIY, O.A.

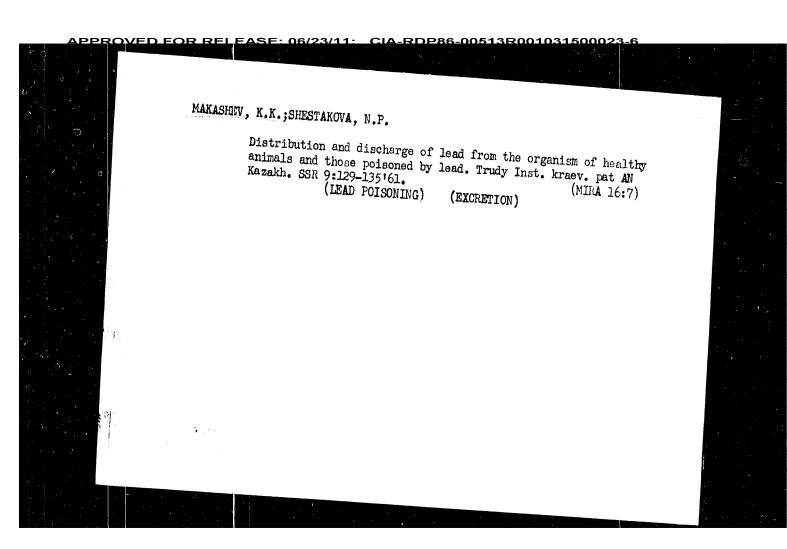
Lging of high-Q AT-out quartz resonators. Izm.tekh. no.5:53-54
(MIRA 16:10)



MAKASHEV, K.K.; RAKHIMOVA, 2.F.

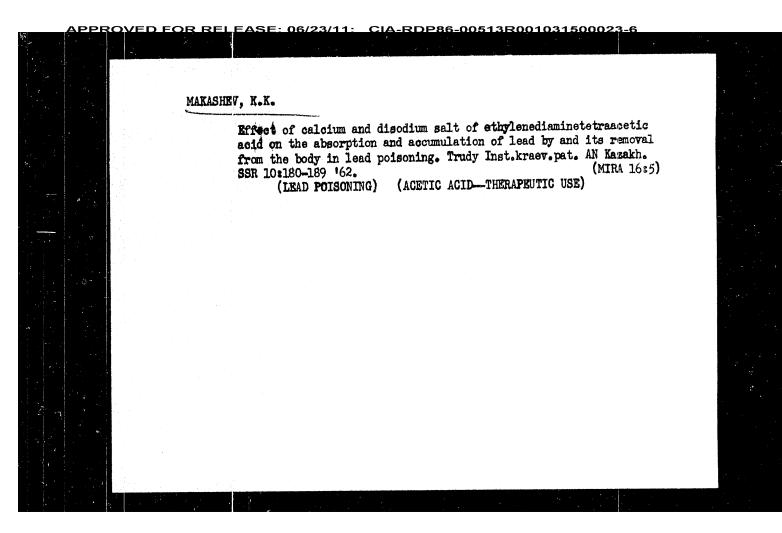
Eistribution and discharge of p²² from the organism of healthy and lead-poisoned animals. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no.2:44-49 '64.

(Minh V7:7)



MAKASHET. K.K.; AKHMEDOVA, A.S. Effect of calcium and disodium salt of ethylenediaminetetraacetic acid and cortisone on the distribution of phosphorus and calcium in organs and tissues and their removal from the body in lead.

Trudy Inst.kraev.pat. AN Kazakh.SSR 10:190-197 '62. (MIRA 1685) (LEAD POISONING) (ACETIC ACID THERAPEUTIC USE) (CORTISONE)



BUTRIMOVA, W.P.; MAXASHEV, K.K.

Rifect of sodium salicylate on the development of experimental silicosis in white rats. Trudy Inst.kraev.pat. AN Kazakh. SSR (MTRA 1615) 10478-94 '62.

(IUNGS---DUST DISEASES) (SODIUM SALICYLATE--THERAPPUTIC USE)

ATCHABAFOV, B.A., kand.med.nauk; MAKASHEV, K.K., kand.med.nauk; SHESTAKOVA, N.P.

Fate of lead introduced into the organism. Vest.AN Kazakh.SSR 17 no.5148-55 My 161.

(IEAD IN THE BODY)

(MIRA 14:6)

MAKASHEV, K.I.

MAKASHEV, K.I.

Changes in the body's immunological properties in lead poisoning.

Changes in the body's immunological properties in lead poisoning.

Trudy Inst.kreev.pat. AN Kasakh,85% 4:34-41 '56. (MIRA 10:3)

(IRAD POISONING) (IMMUNITY)

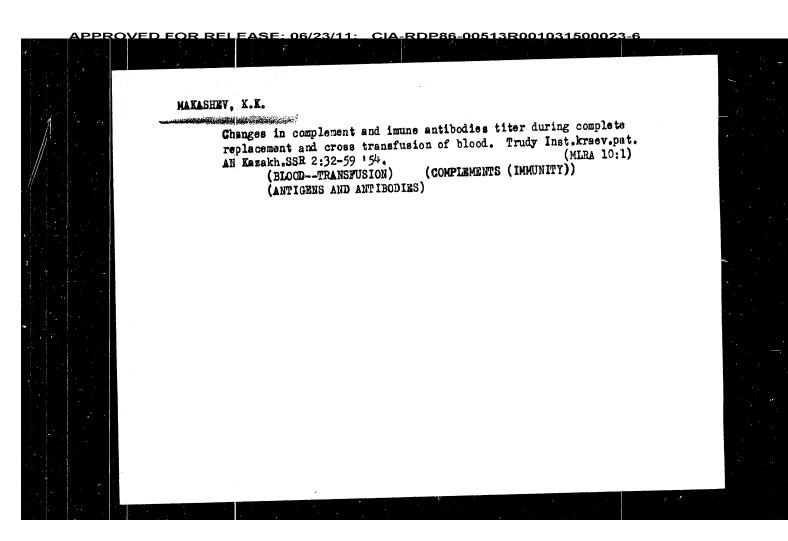
MAKASHEV. K.K.

ATCHARARY, H.A., MINSHEV. K.K.

Behavior of lead in the body. Trudy Inst.kraev.pat. AN Kezekh. SER
4:5-21 | 56.

(IZAD IN THE BODY)

(MIN 10:3)



MAYASHRY J.K.

Changes in the biological properties of blood in experimental morphine shock. Trudy Inst.kraev.pat. AN Kazakh.SSR 1:140-143 '52.

(ELOOD-AMALTSIS AND CHEMISTRY)

(MORPHINE)

(SHOCK)

EASE: 06/23/11: CIA-RDP86-00513R001031500023-6 GLOZMAN, O.S.; MAKASHEV, K.K. Stricture method in determining the toxin content of solutions and the degree of toxemia. Izv. AN Kazakh.SSR. Ser.kraev.pat. no.6: (MLRA 9:8) 147-151 150. (TOXINS AND ANTITOXINS)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6

MAKASHEV, K. A.

The second prize (imeni N. A. Minkevich) was awarded to Candidate of Technical Sciences V. A. Yakovlev, Engineers Ya. N. Spektor and K. A. Makashev for the paper "New Heat Treatment Technology for Tubular Components of a Complex Geometrical Shape Using Induction Heating for the Hardening Process".

Results of the 1958 Competition for Obtaining imeni D. K. Chernov and imeni N. A. Minkevich Prizes, Metallovedeniye i termicheskaya obrabotka metallov, 1959, No. 6, pp 62-64

MAKASHEV. A.P., prof.; POLETAYEVA, N.N., starshiy nauchnyy sotrudnik; ISA-GULYAN, E.A., mladshiy nauchnyy sotrudnik Experimental storage of apples in film wrapping material and containers. Khol.tekh. 41 no.1:36-41 Ja-F '64. (MIRA 17:3) 1. Krasnodarskiy nauchno-issledovatel skiy institut pishchevoy promyshlennosti.

CIA-RDP86-00513R001031500023-6 MAKASHEV, A.P.; Prinimali uchastiye: ALDAKIMOVA, A.Ya.; MINKINA, A.I., mladshiy nauchnyy sotrudnik; SOKOLOVA, Ye.V. [Use of carbon dioxide in fish preservation]. Primenenie uglekisloty pri khranenii ryby. Moskva, Pishchepromizdat, 1959. 136 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnovo khoziaistva i okeanografii. Trudy, vol. 37). Trudy VNIRO (MIRA 17:4) 37 '59. 1. Starshiye laboranty tekhnologicheskoy laboratorii Dono-Kubanskogo otdeleniya Azovsko-Chernomorskogo nauchno-issledovatel skogo instituta morskogo rybnogo khozyaystva i okeanografii (for Aldakimova, Sokolova). 2. Tekhnologicheskaya laboratoriya Dono-Kubanskogo otdeleniya Azovsko-Chernomorskogo nauchno-issledovatel skogo instituta morskogo rybnogo khozyaystva i okeanografii (for Minkina).

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6</u>

5(1) AUTHOR:

Makashev, A. P.

SOV/32-25-3-55/62

TITLE:

Gas Analyzer - Pipette (Gazoanalizator - pipetka)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 378-379 (USSR)

ABSTRACT:

The apparatus described was designed for the determination of carbon dioxide, nitrogen, and carbon monoxide gases. Accuracy of measurement at a small consumption of reagents and an analysis duration of 1-1.5 minutes is given as 0.2-0.5 %. The apparatus (Fig) has a graduated pipette with a length of about 400 mm and a diameter of about 1 mm. A small diaphragm pump is attached to the upper end of the pipette; when a screwhead is turned, the pump sucks the gas or liquid sample into the pipette. The absorption liquid is introduced in the same manner into the pipette filled with the gas sample, and gas and absorption liquid are mixed by turning the screwhead back and forth. Comparative analyses carried out in the apparatus described and in the apparatus according to Orsat-Fischer (CO₂ determinations)(Table) showed practically equal results.

There are 1 figure and 1 table.

ASSOCIATION: Card 1/1

Krasnodarskiy konservnyy institut(Krasnodar Institute for Canning)

MAKASHEV, A. P. "Carbon Dioxide as a Means of Prolonging the Storage Life of Chilled Fish Products." Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen, 19 August - 2 September 1959.

MAKASHEV, A. P., Doe of Teen Sci -- (diss) "Theoretical and Experimental Research on the Use of Carbon Dioxide for the Perservation of Fish and Fish Products," Krasnodar, 1959, 20 pp (Leningrad Technological Institute of the Refregiration Incustry) (KL, 2-60, 112)

MAKASHEV. A.P., kand. tekhn. nauk; MINKINA, A.I., kand.biol.nauk;

Effect of the intensity of proteolysis and the presence of microbes on the occurrence of "split bellies" in some fish species. Trudy VNIRO 35:145-151 '58.

1. Azovakogo otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.

(Fishery products--Freservation) (Food spoilage)

MAKASHKY A.P.; KUZNETSOV, P.G., red.; SLUZHITEL', Te.I., tekhn.red.

[Methods of prolonging the storage of refrigerated fish]

Sposoby udlinentia arokov khrenenita okhlashdannot ryby.

Moskva, Vses.in-t nauchn.i tekhn.informatsii, 1958. 36 p.

(Fish-Storage)

MAKASHEV, A.P.

USSR/Chemical Technology - Chemical Products and Their Application. Food Industry,

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63722

Author: Karnitskaya, N. V., Firsova, V. I., Makashev, A. P., Aldakimova, A. Ya.

Institution: Home A-U See Rea Incl. Fish Ind. + Oceanography

Title: Action of Carbon Dioxide on Botulism Microbe in Fish Processed by Hot Smoking

Original
Periodical: Vopr. pitaniya, 1956, No 2, 49-50

Abstract: Study of the effects of storage of fish, that has been hot-smoked, in an atmosphere of CO2 (70-90%) on toxin formation by B. botulinus, the spores of which are found in the intestines of some fish under natural conditions. It was found that hot-smoked fish of small and medium size is preserved in CO2 in good condition (according to organoleptic characteristics) for 15 days as compared with 2-3 days of the controls. Storage of fish in an atmosphere of CO2 neither inhibits nor stimulates

germination of spores and toxin production of B. botulinus.

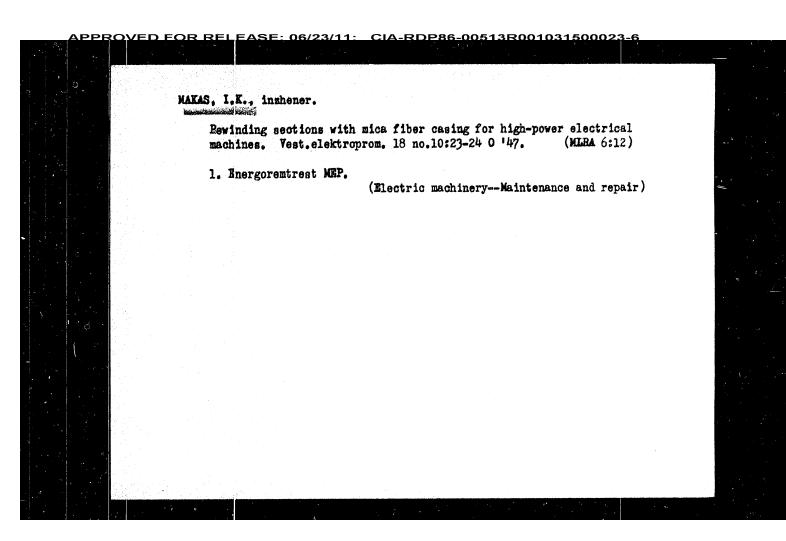
Card 1/1

MAKASHEY, A. P., BEREZIN, N. T.

Fisheries

Separation of ruff from herring by a hydraulic process. Ryb. Khoz., 28 nc. 3, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, July 1952. UNCLASSIFIED.



MAKARYUNAS, K. V.; MAKARYUNENE, E. K.; DARACHYUNAS, A. I.

"Automatic Calculation of Accidental Coincidences in Schemes for Measurement of Angular Correlations of Cascade Gamma-Rays."

report submitted for All-Union Conf on Nuclear Spectroscopy, Toilisi, 14-22 Feb 64.

IFM LitSSR (Inst Physics & Mathematics, AS LitSSR)

MAKARYUNAS, K. V. [Makariumas, K.]

Goncerning the mechanism of the reaction Be 9 (% A.) c 12 when K. = 3,22 MeV. Liet ak darbai B no.1:125-127 161.

(KEAI 10:9)

1. Institut fiziki i matematiki Akademii nauk Litovskoy SSR.

(Beryllium) (Particles) (Carbon)

MAKARYUNAS, K. V. [Makariunas, K.]

On angular distribution of 12 MeV energy protons, scattered non-elastically around lithium nuclei and on spin of the lithium nucleus of 4,61 MeV energy level. Liet ak darbai B no.1:121-123 (EEAI 10:9)

1. Institut fisiki i matematiki Akademii nauk Litowskoy SSR.

(Lithium) (Protons) (Nuclear spin)

MAXARTURAS, K. V. [Makariunas, K.]

Reflective sections of some reactions (d, ω) , (ω, t) , (ω, d) and (ω, ρ) , flowing through lithium nuclei. Liet ak darbai B no.1t (EFAI 10:9)

1. Institut fiziki i matematiki Akademii nauk Litovskoy SSR.

(Lithium) (Farticles)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6

33668

24.6600

S/058/61/000/012/023/083 A058/A101

AUTHORS:

Starodubtsev, S. V., Makaryunas, K. V.

TITLE:

Elastic and inelastic scattering of 13.2 Mev alpha particles by lithium, and the ${\rm Li}^{0}(\alpha,~p)$ Be 9 and ${\rm Li}^{7}(\alpha,~p)$ Be 10 reactions

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 12, 1961, 116, abstract 12B613 ("Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii", 1959, v. 1, Tashkent, AN UZSSR, 1961, 98-103)

TEXT: The $\mathrm{Li}^6(\alpha,\,p)$ and $\mathrm{Li}^7(\alpha,\,p)$ reactions and the scattering of 13.2 MeV alpha particles by lithium were studied by the photographic emulsion method. The angular distribution of alpha particles elastically scattered by Li^7 differs from the Coulomb distribution. Proton groups from $\mathrm{Li}^6(\alpha,\,p)$ and $\mathrm{Li}^7(\alpha,\,p)$ reactions can be separated only for large angles. The spectrum of the proton tracks from these reactions that can be observed at $\theta_{1at} = 170^\circ$ is given. The intensity ratio of proton groups from $\mathrm{Li}^7(\alpha,\,p)$ and $\mathrm{Li}^6(\alpha,\,p)$ equals 1.7 : 1. Our mbarn/sterad respectively. The angular distribution of protons from these [Abstracter's note: Complete translation]

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6

33667

Investigation of alpha-particle ...

\$/058/61/000/012/022/083 A058/A101

part take place without production of composite nuclei. What is more, the authors hold that the great cross-section magnitude of these reactions (tens of millibarns) can be explained by the existence of a deuteron and a trion substructure in the ${\rm Li}^6$ and ${\rm Li}^7$ nuclei respectively.

[Abstracter's note: Complete translation]

Card 2/2

s/058/61/000/012/022/083 A058/A101 Investigation of alpha-particle interaction with lithium nuclei 24.6600 Makaryunas, K. V. Referativnyy zhurnal, Fizika, no. 12, 1961, 115-116, abstract 128612 AUTHOR: ("Tr. Tashkentsk. konferentsii po mirm. ispol'zovaniyu atomn. energii", 1959, v. 1, Tashkent, AN UzSSR, 1961, 85-89) TITLE: In order to study the mechanism of alpha-particle interaction with PERIODICAL: Li nuclei by the thick nuclear photoemulsion method, the angular distributions Li nuclei by the thick nuclear photoemulsion method, the angular distributions of particles from the following reactions between 10, 15, 11.5 and 13.2 MeV of particles and Lio and Lio were investigated: Lio (α , α) alpha particles and Lio (α , d) MeV; Lio (α , t) Be = -2.56 MeV; The last two reactions alpha particles and Lio (α , d) Be Q = -1.59 MeV; Lio (α , d) Be Q = -2.56 MeV. For the last two reactions MeV; Lio (α , d) Be Q = -2.56 MeV and Lio (α , d) Be Q = -2.56 MeV. For the last these reactions are protons from the second angular distribution was plotted in a smuch as protons from the second are protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as protons from the second angular distribution was plotted in a smuch as plotted in a smuch as protons from the second angular distribution was plot a general angular distribution was plotted inasmuch as protons from these reactions have very close energies and sould not be senseted. tions have very close energies and could not be separated. All the angular distributions evince anisotropic structure, and their shape depends rather distributions evince anisotropic structure, and their snape depends rather meaning particles. The form of the angular weakly on the energy of the bombarding particles. (α , d) reactions for the distributions indicates that Lio (α , d) and Li? Card 1/2

Investigation of the Reactions (\alpha, \alpha'), (\alpha, \phi), \quad \frac{3}{600}\frac{6}{600}\frac{6}{60}\fra

Investigation of the Reactions (α,α') , (α,p) , 3/056/60/038/02/09/061 and (α,t) on Lithium Nuclei B006/B011

at $E_{\alpha}=10.15$, 11.5, and 13.2 MeV, and Fig. 4 the angular distribution of protons in the center-of-mass system at $E_{\alpha}=11.5$ MeV. The angular distribution in the center-of-mass system is strongly anisotropic and asymmetric with respect to $\theta=90^{\circ}$. The angular distribution of tritons originating from the reaction Li⁷(α ,t)Be⁸ (Q = -2.56 MeV) is shown for $E_{\alpha}=10.15$ MeV in Fig. 5, and also, for comparison, the distribution curve calculated according to Butler. A curve calculated according to the stripping theory is shown as well. It is very similar to the one of the knock-out theory. The authors finally thank the cyclotron team headed by A. B. Girshin, and also the collaborators of the laboratoriya yadernykh reaktsiy LFTI (Laboratory of Nuclear Reactions of the LFTI) for their assistance in the experiments. There are 5 figures and 14 references: 2 Soviet, 9 American, 1 British, 1 Japanese, and 1 Polish.

Ur

Card 3/4

Investigation of the Reactions (α, α^i) , (α, p) , g/056/600/03e/02/09/061 and (α, t) on Lithium Nuclei and (α, t) on Lithium Nuclei as the angular distributions of the particle groups were determined. The deviations of the absolute values of the differential cross sections from the mean values did not exceed particle groups were determined. The deviations of the angular distributions of the various experiments. Results concerning the angular distributions of the various reactions are outlined in the paper under retributions of the various reactions are outlined in the paper under refig. 2 shows the angular distribution of α -particles undergoing includes. Angular distribution of α -particles undergoing includes its exactring on Li', at $E_{\alpha} = 13.2$ MeV. The cross section calculated from an integration of the angular distribution from 15 to 90 elastic scattering on Li', at $E_{\alpha} = 13.2$ MeV. The cross section calculated from an integration of the angular distribution from 15 to 90 elastic scattering on Li', at $E_{\alpha} = 13.2$ MeV. The cross section calculated from an integration of the angular distribution from 15 to 90 elastic scattering on Li', at $E_{\alpha} = 13.2$ MeV. The cross section calculated from an integration of the angular distribution from 15 to 90 elastic scattering on Li' nucleus is negative, and that it has parison (Fig. 2) with Butler's theory (Ref. 3) shows that the parity of the 4.61-MeV level of the Li' nucleus is negative, and that it has parison (Fig. 2) with Butler's theory (Ref. 3) shows that the parity of the 4.61-MeV level of the Li' nucleus is negative, and that it has parison (Fig. 2) with Butler's theory (Ref. 3) shows that the parity of the 4.61-MeV level of the Li' nucleus is negative, and that it has parison (Fig. 2) with Butler's theory (Ref. 3) shows that the parity of the 4.61-MeV level of the Li' nucleus is negative.

MAKARYUNAS, K.V.

s/056/60⁸²⁰¹²/02/09/061 вооб/во11

24.6600

AUTHORS:

Makaryunas, K. V., Starodubtsev, S. V.

TITLE:

Investigation of the Reactions (α,α') , (α,p) , and (α,t) on Lithium Nuclei

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,

Vol. 38, No. 2, pp. 372 - 378

The investigations dealt with in the present paper were conducted on the cyclotron of the Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Institute of Physics and Technology). a-particles with 10.15, 11.5, and 13.2 Mev were used for the experiments. A scattering chamber of 50 cm diameter was connected to the cyclotron, and the target was placed in its center; this was surrounded by photographic plates contained in special boxes. The plates were of the type 9 -2 (Ya-2) with an emulsion thickness of 100 μ . The target consisted of metallic lithium in natural isotopic composition $(0.75 - 1.1 \text{ mg/cm}^2)$ and was situated in dry cartion dioxide. The plates were evaluated by means of a microscope of the type M5N-3 (MBI-3); the track lengths were measured, and the

Card 1/4

MAKARYUNAS, K. V., Cand Phys-Math Sci -- (diss) "Investigation of the reactions (a, a), (a, p), (a, d) and (a, t) with lithium nuclei."

Leningrad, 1960. 10 pp; (Leningrad Physics-Technology Inst of the Academy of Sciences USSR); 250 copies; price not given; bibliography on page 10 (10 entries); (KL, 17-60, 129)

66452

On the Mechanism of Direct Interaction in the Reaction $\text{Li}^6(\alpha, d)\text{Be}^8$ SOV/20-129-3-20/70

> bombarding particles. All this, and the rather large reaction cross section are indicative of the important part played by the process developing without the formation of a compound nucleus. Probably, the a-particles knock out deuterons from the L⁶-particles and a substructure in form of a deuteron probably exists in the L6-nucleus for a certain time. There is a certain agreement between Butler's theory and experimental results. The authors thank the co-workers of the Physicotechnical Institute of the AS USSR, who collaborated in the present investigation. There are 1 figure and 9 references, 2 of which are Soviet.

SUBMITTED:

June 26, 1959

Card 3/3

in the reaction Li⁶(α,d)Be⁸, Q = -1.59 Mev. The authors investigated the angular distribution of this group. At certain small angles this group cannot be separated from the very intense group of recoil protons, so that the total angular distribution at these angles was not found. A diagram shows the angular distributions measured in the center of mass system at various energies of the bombarding α-particles (10; 15; 11.5 and 13.2 Mev). The absolute value of the differential cross section of the reaction Li⁶(α,d)Be⁸ for the

On the Mechanism of Direct Interaction in the Reaction

differential cross section of the reaction Li (α, d) Be for the angle 58° amounts to 6.7 millibarn/steradian in the center of mass system. The integral cross section approximately determined with respect to the angular distribution is, with E = 10.15 MeV, not less than 50 millibarn. With an energy

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SOV/20-129-3-20/70

increase from 10.15 to 13.2 MeV, the cross section becomes smaller. Angular distributions are sharply anisotropic, they wary continuously with a variation of energy, and are asymmetric with respect to the angle of 90°. The minimum is shifted towards smaller angles with an increasing energy of the

Card 2/3

66452 24.6600 SOV/20-129-3-20/70 Starodubtsev, S. V., Academician of the AUTHORS: UzbekskayaSSR, Makaryunas, K. V. On the Mechanism of Direct Interaction in the Reaction $\mathrm{Li}^6(\alpha,\mathbf{d})\mathrm{Be}^8$ TITLE: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 547-549 (USSR) PERIODICAL: First, a brief report is given about the present stage of the problem on the basis of some earlier papers. The authors carried ABSTRACT: out experiments with a particles of the energy of 8.34 and 13.2 Mev, which were accelerated in the cyclotron of the Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Physicotechnical Institute of the Academy of Sciences, USSR). Lithium targets of natural isotopic composition were then bombarded herewith. The particles emitted from the target were recorded on photographic plates of the type Ya-2 (emulsion thickness 100 µ), which were located in a scattering chamber constructed by S. V. Starodubtsev, Ye. M. Lobanov and I. M. Shcheglov. The average angle between the plane of the photographic plate and the direction of motion of the secondary particles leaving the targets amounted to 10°. During

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investigation of the photographic plates under the microscope, an intense group of deuterons was found which had been produced

Card 1/3

The Angula: Distributions of Tritons From the Reaction 50V/56-36-5-61/76

Li⁷(x,t)Beⁱ³

of-particles indicates the important part played by the direct interaction mechanism. A comparison with Butler's theory shows good agreement for 1 = 1 between the theoretical and the experimental curve. The absolute values of the differential cross sections at 16° (center

of mass system) are given as amounting to $9.2^{+3.7}_{-1.85}$ mb/steradian

 $(E_{\infty} = 13.2 \text{ MeV}) \text{ and } 9.4^{+4.0}_{-2.0} \text{mb/steradian } (E_{\infty} = 14.7 \text{ MeV}).$

There are 2 figures and 2 references.

ASSOCIATION:

Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Physico-Technical Institute)

SUBMITTED:

February 4, 1959

Card 2/2

21(7) SOV/56-36-5-61/76 Starodubtsev, S. V., Makaryunas, K. V. AUTHORS: The Angular Distributions of Tritons From the Reaction TITLE: ${\rm Li}^7({\bf x},{\bf t}){\rm Be}^8$ (Uglovyye raspredeleniya tritonov iz resktsii $\operatorname{Li}^{7}(\alpha, t)\operatorname{Be}^{8}$) Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, PERIODICAL: Vol 36, Nr 5, pp 1594-1595 (USSR) In order to obtain information concerning the reaction ABSTRACT: mechanism the authors of the present "Letter to the Editor" investigated the angular distributions of tritons in the aforementioned reaction at Q = - 2.56 Mev by the method of the thick photoemulsion. The &-particles were accelerated on the cyclotron to 8.34, 10.15, 11.5, 13.2 and 14.7 Mev.At all these energies similar angular distributions were obtained. The curves obtained representing the dependence of the differential cross section (in relative units) on the angle in the center of mass system is shown for $E_{\infty} = 14.7$ MeV by the upper and for $E_{\infty} = 13.2$ MeV by the lower figure. The form of the angular distributions and Card 1/2 their weak dependence on the energy of the bombarding

MAKARYINA, L.A. (CONTINUED)

The results agree with the calculated data obtained by the Monte Carlo method, taking into account the effect of the medium on Bremsstrahlung (Landau-Pomeranchuk and Ter-Mikaelynn effects).

For 10 casuades with E 1.8x10¹¹ ev, the probability of p ()² from the criterion / 2, is $2.5 \div 5\%$ when compared with the curves which do not consider the effect of the medium, and 80-95% when compared with the calculations that take into consideration the effect of the medium on the Bremsstrahlung.

report presented at the International Cosmic Ray Conference, Moscow 6-11 July 1959

MAKARYINA, L.A.

"ELECTRON_PHOTON CASCADES WITH ENERGIES FROM 10¹¹ to 10⁻¹³ ev IN NUCLEAR FMULSIONS"

L. S. Makaryina, A. A. V rfolomeyev, R.I. Gerasimova, I.I. Gurevich, A.S. Romantseva, S.A. Chuyeva,

Fifteen electron-photon caseades with energies from 10^{11} to 10^{13} ev, recorded in six emulsion stacks with a total volume of 10 1, have been investigated.

The energies of the primary photons evoking the cascades were determined by the energy spectrum of the cascade electrons at a depth of $2.5 -: 3t_0$ (t_0 - rad. unit).

The grain density and the gap density were measured for the first pairs. In all the pairs with energies $3x10^{11}$ ev, a decrease in grain density at the apex caused by the screening effect was discovered.

The following experimental relation of the ionization losses of pair (1) was obtained:

where Ipe is the specific ionization electron loss at the ionization plateau, x is the distance from the spex of the pair in cm, and E, is the energy of the photon which produced the pair.

The expression obtained for I/21pe may be used to determine the E energy from experimental values for I. An estimation of the E error is given, taking into consideration the screening effect.

The number of electron-positron pairs produced at depths of 1.0to and 1.5to was measured.

Makaryina, L.A.

"DIRECT PRODUCTION OF ENECTRON_POSITRON PAIRS BY HIGH ENERGY ELECTRONS"
L.A. Makaryina, Ap.P. Mishakova, A.S. Romantseva, G.S. Stolyarova, V.A.Turanyan,
S.A. Chuyeva, A.A. Varfolomeyev, R.I. Gerasimova,

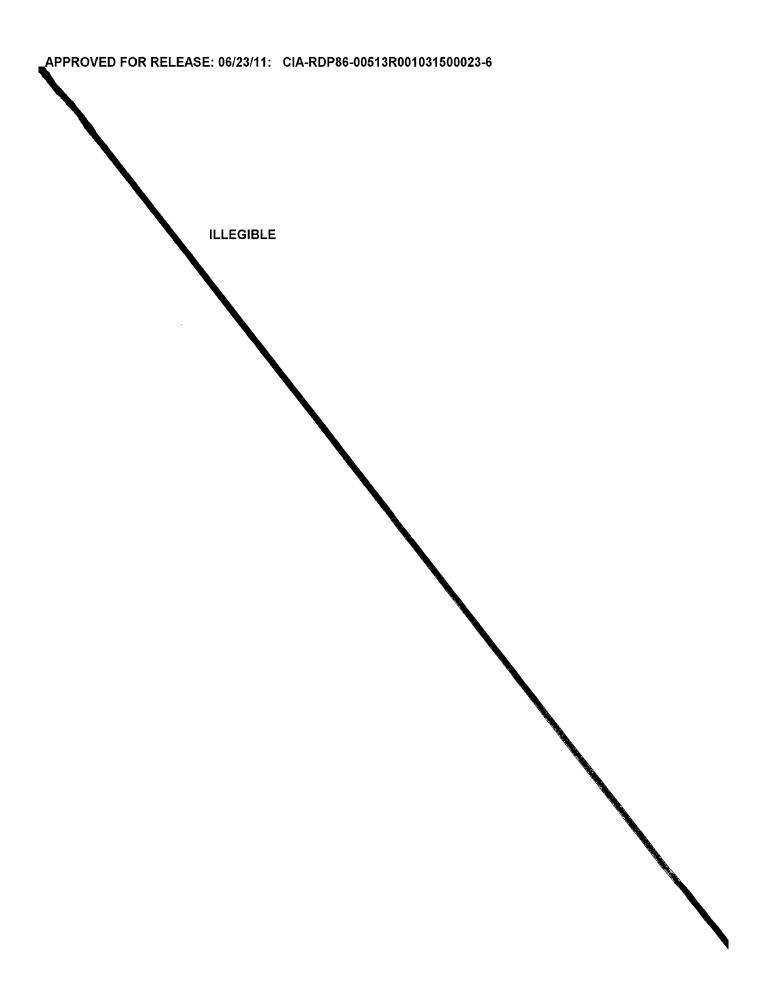
The Cross-section of direct production of electron-positron pairs by high energy electrons was measured experimentally. For this purpose, a study was made of isolated electron-photon cascades and the photon component of high energy muclear interactions in emulsion stacks exposed to radiation in the stratosphere. In order to exclude spurious cases of direct pair production, which constitute the main difficulty in experimental measurement of the cross-section of such pairs, the calculation was carried out by the Monte Carlo method.

The calculation was made for three values of primary electron energy: 10, 100 and 1,000 Bev, taking into consideration two possible variants of the Bremsstrahlung spectrum: Bethe-Heitler and Migdal variants (Landau-Pomeranchuk and Ter-Mikaelyan effects). A method for determining the energy of ultra-relativistic electrons from the lateral distribution of te apexes of electron-positron pairs is suggested.

During the experimental measurement of very high electron energies, certain possible sources of underestimation were eliminated.

The cross section of direct pair production by high energy electrons was found to be in agreement with Phabha's calculation within the limits of experimental error/

report presented at the International Cosmic Ray Conference, Moscow 6-11 July 1959



XAZANTIEV, Anatoliy Mikhaylovich, kand. tekhm. nauk, dots; Prinimali uchastiye: LIVSHITS, I.M., inch.; LATANTEVSKIT, D.F., inah.; GUEEV, M.S., kand. tekhm. nauk, dotsent, reteenzent; SHRYALDYSHEV, L.G., insh., retsenzent; RARIT, G.Tu., red.; VOLCHOK, K.M., tekhm. red.

[Technical norms in shipbuilding ami ship repairs] Tekhnicheskoe normirovanie v sudostroenii i sudoremonte. Leningrad, Izd-wo normirovanie v sudostroenii rangort, "1962. 383 p. (MIRA 15:5)

"Rechnoi transport," 1962. 383 p. (MIRA 15:5)

(Shipbalding—Production standards)

(Ships—Maintenance and repair—Production standards)

LIVSHITS, I.; MAKAR'THVSKIY, D.

Setting consolidated work norms in mechanical treatment of surfaces, Sots. trud no. 3181-67 Mr '58. (MIRA 13:3)

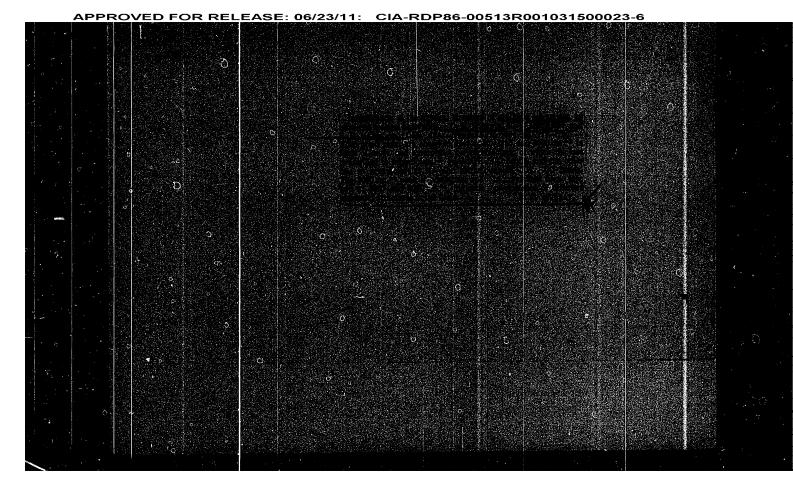
(Turning---Froduction Separates)

EASE: 06/23/11: CIA-RDP86-00513R001031500023 MAKAR'YEVSKIY, D.P., inshener. pour members the transfer of the state of th Improved technology for finishing operations in ship repairs. (MLRA 9:3) Rech. transp. 14 no.12:29-30 D '55. (Ships--Maintenance and repair)

CHEKMANN, A.P., akacesik; MONALSANO, Yo.Ye., kond. tehnn. cauk;
TYABORDIT, N.S., Insh.; STANDATOTSZIY, M.I., insk.;
MINENN, A.R., insh.; MONESS, M.G., insh.; MINENY, S.C.,
Inzh.; HOCHEAPLY, V.A., inzh.; STANDATOTSZIY, M.I.,
Investigating the process of relling wheels at the History
Togil metallurgical combine, Stall 25 no.6:5/3-56, 52 * 05.
(Hira 18:0)

1. VMIT1 i Nizhee-Togil'skiy matallurgicheskiy kombinat.

MARKEY TO A USBR/Chemistry - Physical chemistry Pub. 22 - 36/46 Card 1/1 Shigorin, D. N; Mikhaylov, N. V.; and Makaryeva, S. P. Authors The physical structure of synthetic polyamides investigated by the ritle infrared absorption spectra method Dok, AN SSSR 97/4, 711-714, Aug 1, 1954 Periodical Abstract The application of the infrared absorption spectra method for the physico-chemical study of synthetic polyamides, is discussed. A comparison of absorption spectra of various synthetic polyamides showed that the structure of the latter is determined by a combination of three (alpha, beta, gamma) H-bonds. The existence of the three basic H-bonds in synthetic polyamides, which in fact determine their physical structure and chemical properties, was positively established. These three H-bonds are also responsible for the crystalline lattice of the synthetic colyamides. Eight references: 4-USSR and 4-USA (1936-1954). Table; drawing. All-Union Scief dific-Research Institute of Synthetic Fibers Institution Presented by Academician V. A. Kargin, May 10, 1954



MAKAR'YEVA, S. P.

USSR/Chemistry .- Synthetic Fibers

Dec 52

"Investigation of the Physical Structure of Synthetic Polyamides by the Method of Oscillation Spectra," N. V. Mikhaylov, D. N. Shigorin and S. P. Makar'yeva, All Union Sci Res Last of Synthetic Fibers

"Dan SSSR" Vol 87, No 6, pp 1009-1012

The nature of bonds holding the fibers together in a polycaprolactam fiber were studied using infra-red absorption spectroscopy. Comparison of the results obtained from spectral analysis with dats on the mech properties of polycaprolactam confirm the assumption concerning the chain-cyclic molecular structure based on the presence of intermolecular and intramolecular hydrogen bonds. Presented by Acad A. N. Terenin 24 Oct 52

PA 240T8

MAKAR'YEVA, S. P.

FDD PA 169T20

USSR/Chemistry - Synthetic fibers, Analysis

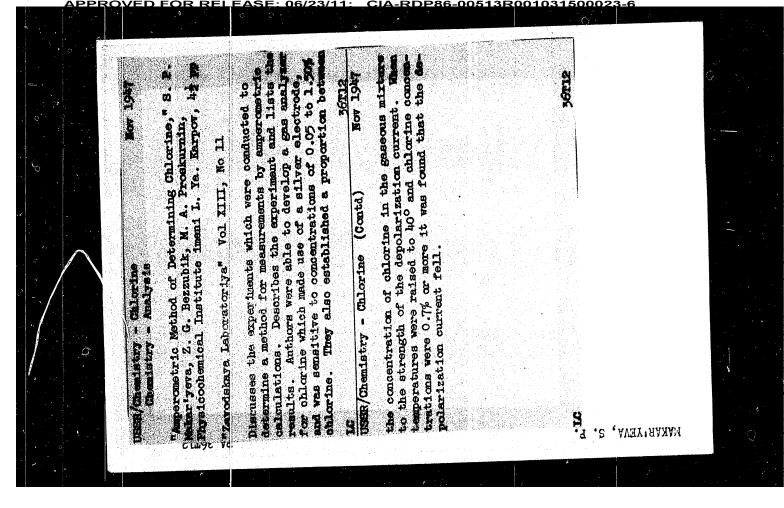
Sep 50

"Potentiometric Determination of Sulfates in the Precipitating Bath of the Viscose Silk Manufacturing Process," S. G. Zelikman, S. P. Makar yeva, A. B. Pakshver, All-Union Sci Res Inst of Synthetic Fiber

"Zavod Lab" Vol XVI, No 9, pp 1053-1057.

Develops method for potenticmetric titration of precipitating baths with Ba chloride in presence of H peroxide. Demonstrates possibility of potenticmetric titration of precipitating baths with Pb nitrate with ferroferricyanide electrode as indicator. Recommends 24 method as more efficient.

PA 169T20.

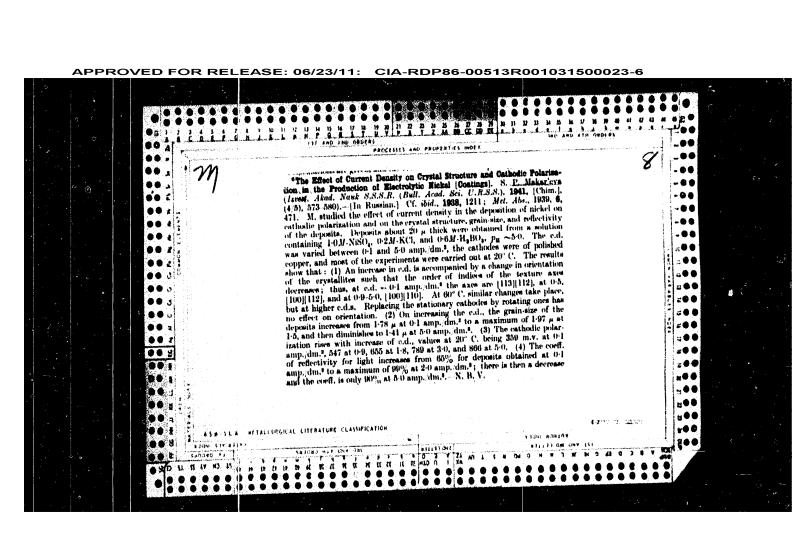


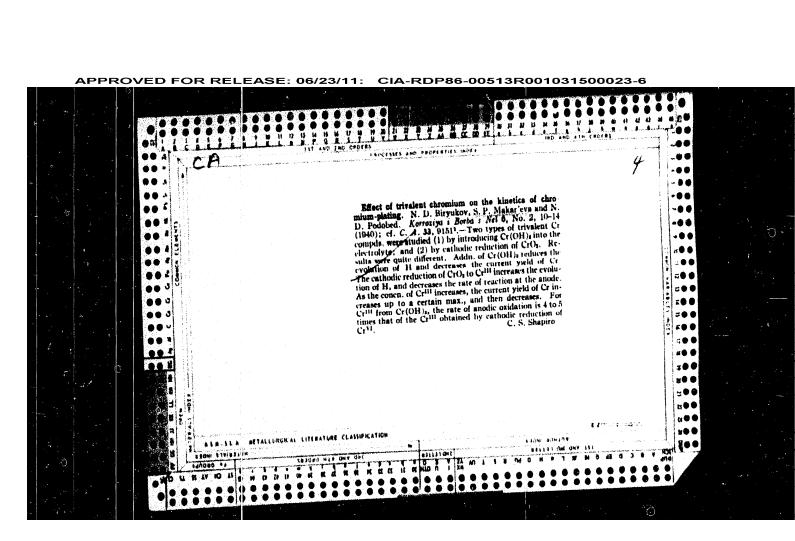
MAKAR'YWA. S. F.

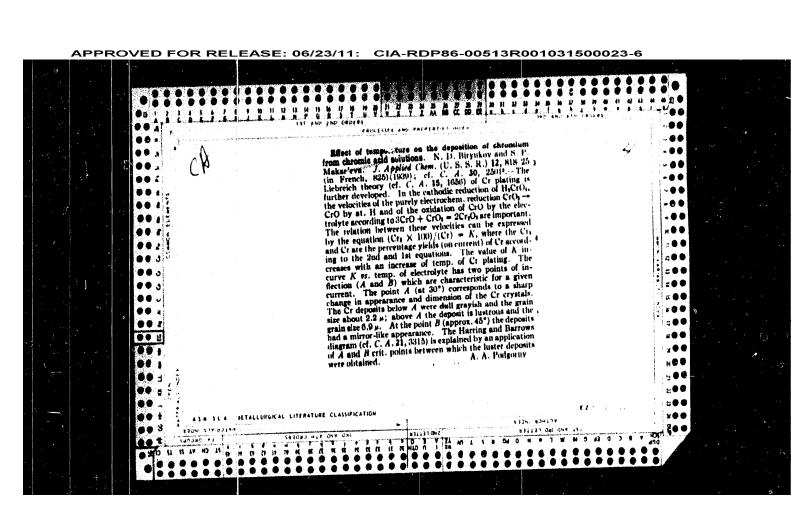
Metal-plating Leb. Colloid-Electrochemical Inst.,
Acad. of Sci., NSSR (-1941-)

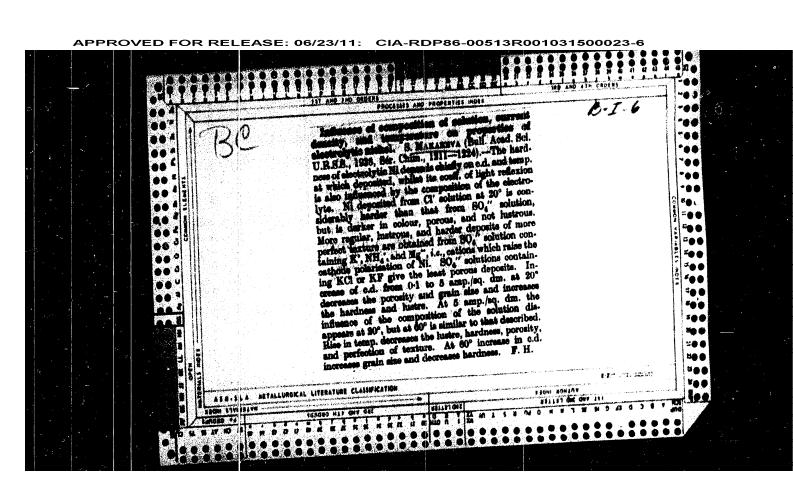
"The Influence of Surface-active Substances and
Inorganic Salts on the Grientation of Crystals of
Copper Plating." Zhur. Fiz. Khim., Vol. 17, No. 3,
1943.

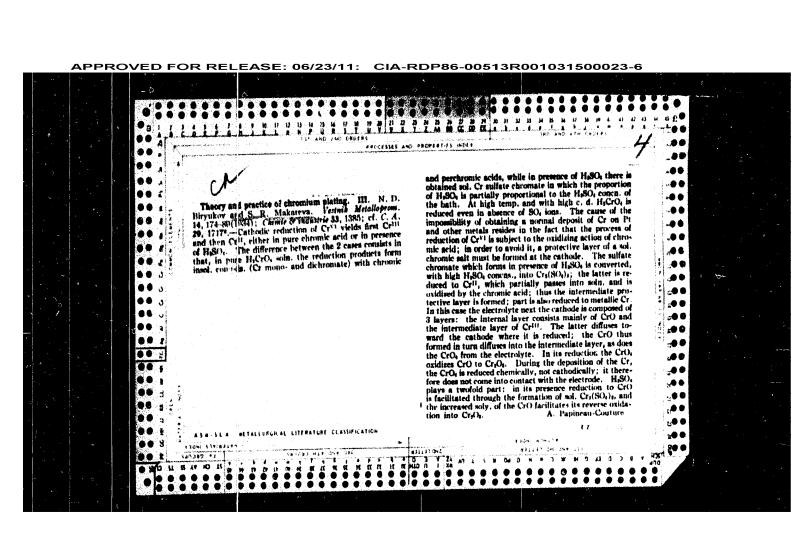
PR-52059019

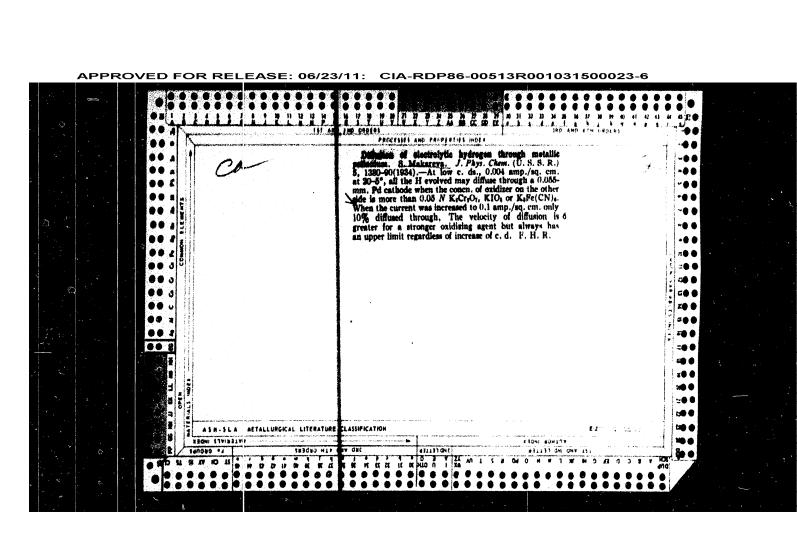










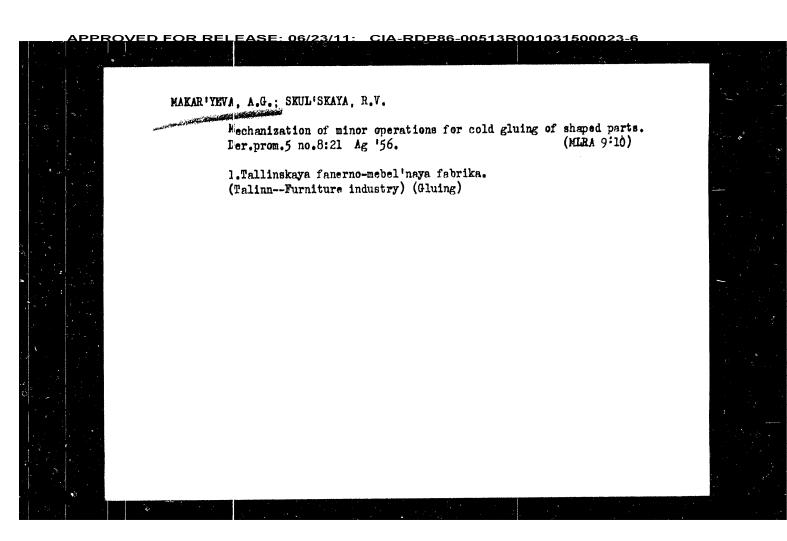


Photoreaction of carbon tetrachloride with dioxane. Zhur.ob.khim.

31. no.12:4057-4058 D '61. (MIRA 15:2)

(Carbon tetrachloride)

(Dioxane) APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6



MIKONI, V.V., inzh.; LELYAVINA, L.F., tekhnik; MAKAR'YEVA, A.A., tekhnik; VERINA, G.P., tekhn.red.

[Catalog of standard-gauge swith boxes and crossings] Al'bom inpower stretchnyth perevodov i peresechenii normal'noi kolni. No.6 [Bhind crossings made of rails of the R50 and R43 types]

Glukhie peresecheniia iz rel'sov tipov R50 i R43. Noskva, Gos. transp. zhel-dor. izd-vo. 1958. 163 p. (MIRA 12:2)

1. Moscow. Gosudarstvennyy institut tekhniko-ekonomieskikh izyskaniy i proyektirovaniya zhelesnodorozhnogo transporta. 2. Otdel tekhnicheskikh usloviy i norm diprotranstei Ministerstva putey soobshcheniya (for Mikoni, Lelyavina, Makar'yeva).

(Railroads--Switches)

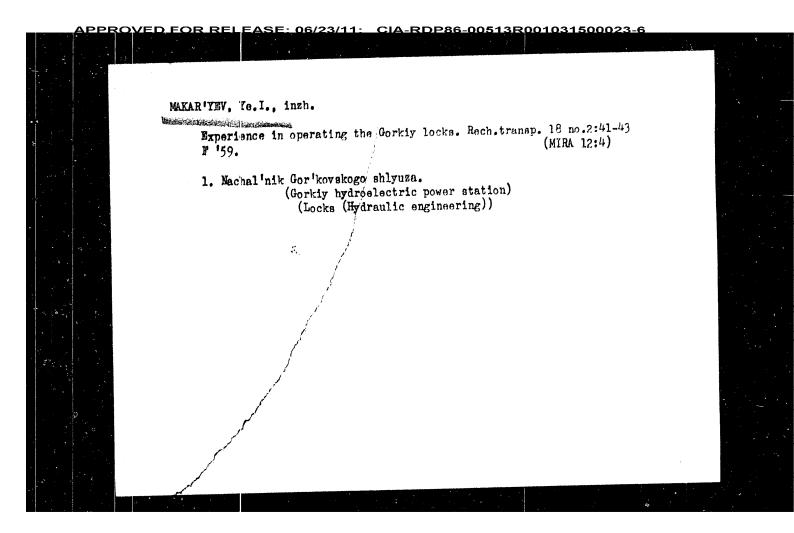
MAKARIYEVA, A. A.

MIKONI, V.V., inghener; SAPRYGINA, G.M., inghener; LELYAVINA, L.F., tekhnik; MAKAR'YEVA, A.A., tekhnik; VERINA, T.P. tekhnicheskiy redaktor.

[Album of switch boxes for normal gauge shuntings and crossings.]
Al'bum tipovykh strelochnykh perevodov i peresechenii normal'noi
kolei. Moskva, Gos.transp.zhel-dor.izd-vo. Pt.2. [Ordinary switch
boxes.using type R50 rails with 1/11 and 1/9 frogs] Obyknovennye
strelochnye perevody iz rel'sov tipa R50 s krestovinami marok
1/11 i 1/9.1957. 172 p. (MIRA 10:6)

1. Moscow. Gosudarstvennyy institut tekhniko-ekonomicheskikh izyskaniy i proyektirovaniya zheleznodorozhnogo transporta.

(Railroads--Switches)



MAKAR'YEV, V.V.; GALAKTIONOVA, Ye., red.; MESHCHERYAKOVA, V., tekhn.red.

[Plastics; collected texts in English] Plastmassy; sbornik
tekstov na angliiskom dasyke. Podbor tekstov, kommentarii i
alcvar' V.V.Makar'eva. Moakva, izd-vo lit-ry na inostr.lasykakh,
1960. 164 p.

(Plastics)

(Plastics)

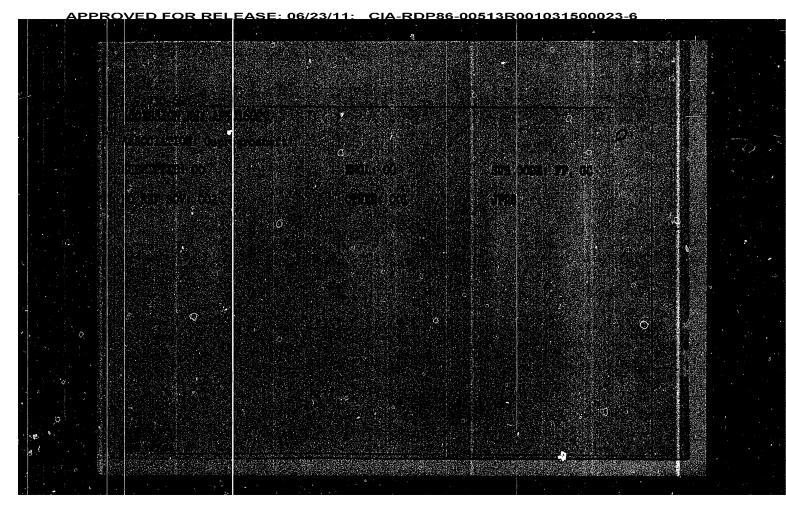
DRONIN, A.P.; ZAMANOV, V.V.; KRICHKO, A.A.; LOZOVOY, A.V.; MAKAR'YEV, S.V.;

MEZHLMOVA, A.I.; PAL'CHIKOV, G.F.; STEPURO, S.I.

Combined arrangement for the use of thermal-cracking kerosine.

Khim. i tekh. topl. i masel 9 no.618-24 Je*64 (MIRA 1797)

1. Giprogrozneft, Institut goryuchikh iskopayemykh AN SSSR i Crozneftekhimzavedy.



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KAZANSKIY, B.A.; DOROGOCHINSKIY, A.Z.; ROZENGART, M.I.; LYUTER, A.V.; MITROFANOV, M.C.; ERESHCHENKO, Ye.M.; KALITA, L.A.; GOL'DSHTEYN, Yu.A.; AFANAS'YYV, A.I.; MAKAR'YEV, S.V.; ZAMANOV, V,V. Dehydrocyclization of normal hexane. Trudy GrozNII po. 15: (MIRA 16:5) 254-264 163.

MITROFANOV, M.G.; MIRSKIY, Ya.V.; DOROGOCHINSKIY, A.Z.; DRONIN, A.P.
MAKARYTEV, S.V.; LUCOVOY, B.I.

Selecting the best arrangement for separating gasoline fractions in molecular sieves. Trudy GrozNII no. 15:84-92 '63.

(MIRA 17:5)

MITROFANOV, M.G.; BONDARENKO, N.I.; MAKAR'YEV, S.V. Technological process of dewaxing diesel fuels with crystal carbide. Trudy GrozNII no. 15:137-142 '63. (MIRA 17:5)

5/065/62/000/004/001/004 A process of thermal dealkylation... E075/E136 pressure in benzene column 0.1-0.3 kg/cm²; temperature in benzene column, top 87 °C, bottom 130 °C; pressure in the recycle stock separation column 0.1-0.3 kg/cm2; temperature in the recycle stock separation column, top 260°, bottom 304 °C; molar ratio hydrogen/feedstock 4:1; space velocity of feed 4.0 h-1; consumption of hydrogen 2.1% wt of feedstock; yield of benzene 78.7% wt of toluene. It was calculated that high grade benzene produced by the process from petroleum derived toluene is considerably cheaper than that obtained currently in the coking industry. It was established that thermal demethylation of methyl naphthalenes (700 °C, 50 atm) gives naphthalene with a yield of ca.50% wt of feedstock after one cycle. The most suitable raw materials for the process are aromatic products obtained during reforming, pyrolysis and catalytic cracking processes. It is expected that the dealkylation process will constitute an important source of benzene and naphthalene for the Soviet petro-chemical industry. There are I figure and I table. Card 2/2

MAKARYEV S.V. 5 5/065/62/000/004/001/004 E075/E136 Gonikberg, M.G., Dorogochinskiy, A.Z.,
Mitrofanov, M.G., Gavrilova, A.Y., Dronin, A.P.,
Kupriyanov, V.A., Makar'yev, S.V., Zamanov, V.V., AUTHORS: ' and Vovk, L.M. A process of thermal dealkylation of aromatic TITLE: hydrocarbons PERTODICAL: Khimiya i tekhnologiya topliv i masel, no.4, 1962, 11-15 TEXT: As a result of investigations carried out in the years 1953-1960 in IOKh AN SSSR and GrozNII, a technological scheme was developed for an industrial process of thermal dealkylation of monocyclic aromatics such as toluene and methylnaphthalenes. A pilot plant for the process producing 30 000 tons of benzene per annum consists of a small number of simple units. It contains a tubular furnace of only 3 mil. cal/hour capacity. The main production indices for the plant are as follows: reactor pressure 50 atm; maximum temperature 790 °C; separator temperature 35 °C; Card 1/2

CIA-RDP86-00513R001031500023-6

SOV/65-59-4-3/14

Combined Plant for the Processing of Petroleum

and consumption figures listed on p 16. Large-scale automation will reduce the number of operators from 54 to 14. This scheme makes it possible to manufacture high quality motor fuels, to decrease the consumption of water, steam, fuel and power. From comparative data on the efficiency of the various plants (in table 2) it is obvious that the operation of combined plants will make it possible to lower capital expenditure by 35-40% and consumption of materials by 30-45%. There is 1 figure and 2 tables.

Card 3/3

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6</u>

sov/65-59-4-3/14

Combined Plant for the Processing of Petroleum

destructive distillation of goudron, the fractionation of gases with simultaneous stabilisation of petrol and the combined preparation of petrols and diesel fuels. The construction of the Giprogrozneft plant is described in detail (viz Fig). The vacuum distillate is led into the separator, after heating, and separated into the gaseous and liquid phase. The gas is used for further processing together with the catalytic cracking gas; the unstable gasoline is subjected to catalytic cracking; the fraction 195 to 380°C is mixed with the diesel fuel fraction obtained during catalytic cracking and this mixture is further processed; the fraction >380°C mixed with an analogous fraction from one of the columns, is used as a component for boiler fuels; the pitch from the evaporator DP is used either as a component of boiler fuels or utilised as raw material in coking plants. Two combined plants with an annual capacity of 3 million tons and 6 million tons of petroleum are to be based on these designs; the first plant to be used for the stabilisation of petroleum. The basic parameters of the plants are tabulated (table 1)

Card 2/3

AUTHOR:

Makar'yev, S.V.

SOV/65-59-4-3/14

TITLE:

Combined Plant for the Processing of Petroleum

(Kombinirovannyye ustanovki dlya pererabotki nefti)

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1959, Nr 4,

pp 12-18 (USSR)

ABSTRACT:

According to plans outlined at the 21st Party Congress, the extraction of petroleum is to be increased to 230-240 million tons per year by 1965; this means an annual increase of 16-18 million tons and will require the erection of new refineries. The concept of combining various processes in one plant originated in The following processes are used in the USA, Canada and other countries of the West: atmosphericvacuum distillation, catalytic cracking and catalytic polymerisation, alkylation, catalytic reforming, catalytic and chemical purification processes etc. In the USSR the Giprogrozneft, in collaboration with GrozNII, have worked on the design of combined plants for atmospheric-vacuum distillation of petroleum, catalytic cracking of vacuum distillates, the

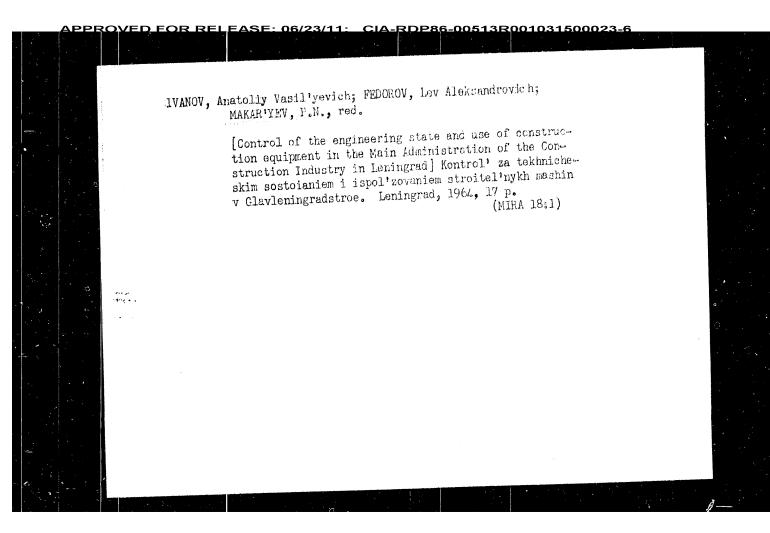
Card 1/3

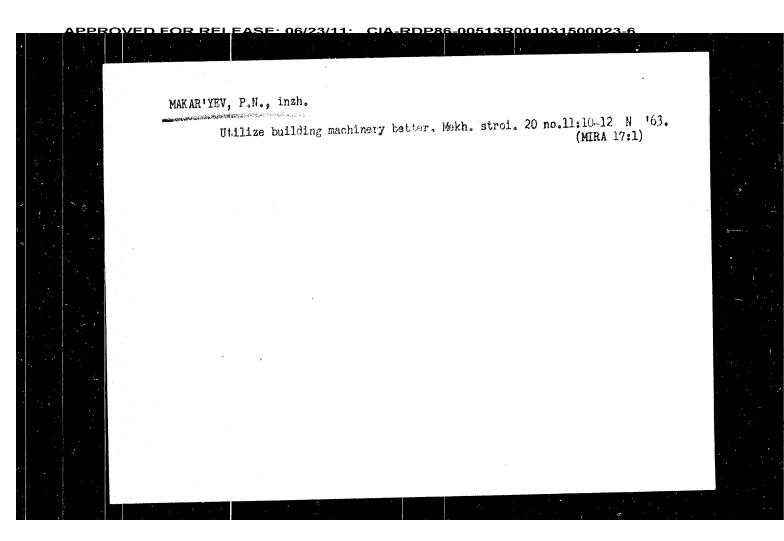
SOV/81-59-16-58493

The Combination of Technological Processes and Installations in Oil Refining penditures by 40% and the operation costs by 33%. The authors regard an increase in the capacity of the combined installation up to 6 million tons per year as possible.

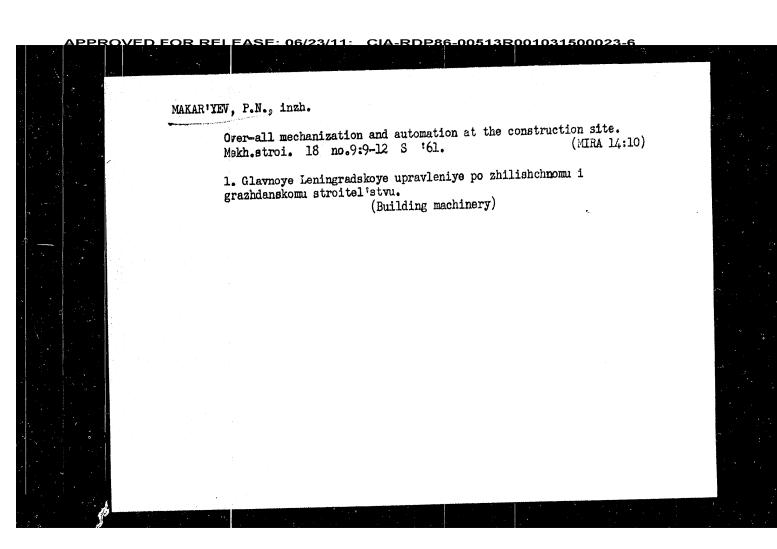
S. Rozenoyer.

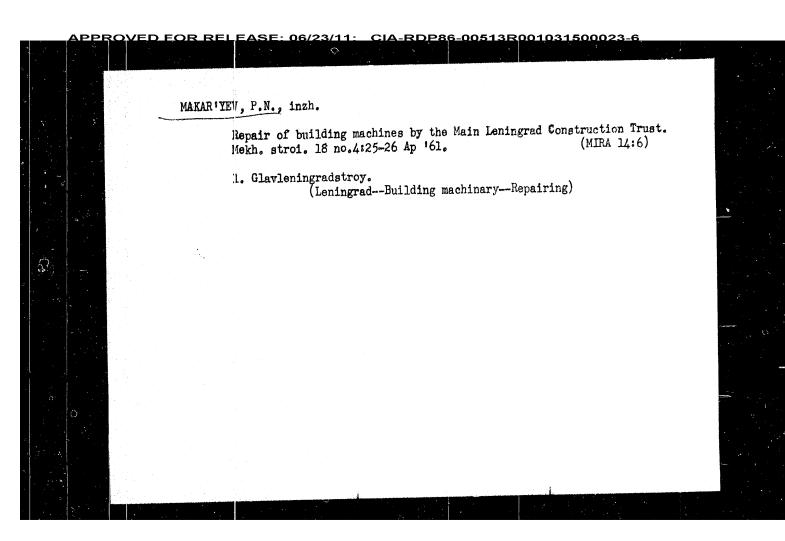
sov/81-59-16-58493 Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 409 (USSR) The Combination of Technological Processes and Installations in Oil Re-Strazh, A.G., Makar'yev, S.V. AUTHORS: Vestn. Sovnarkhoza Checheno-ingushetii, 1958, Nr 5, pp 8-11 Giprogrozneft and GrozNII have designed a combined installation for the TITLE: refining of 3 million tons of petroleum per year in which the processes retining of 3 million tons of petroleum per year in which one processes of atmospheric petroleum distillation, the destructive distillation of mazut, the catalytic cracking of distillates and the head fractionation PERIODICAL: of gases are combined. For utilizing the heat obtained in the burning of ooke in the regenerator of catalytic oracking, heating coils are in-ABSTRACT: stalled through which petroleum is pumped. The heat of waste flows is also broadly used. According to the data of Giprogrozneft' the combination of the four processes in a single installation, as compared to four enof the four processes in a single installations for the separate processes, reduces the capital ex-Card 1/2





MAKAR 'YET', P. New form for calculations of the work of construction equipment.
Na stroi.Ros. 3 no.9:6-7 S '62. (MIRA 15:12) 1. Glavnyy mekhanik Glavnogo stroitel'nogo upravleniya pri ispolnitel'nom komitete Leningradskogo gorodskogo soveta deputatov trudyashchikhsya. (Construction equipment)





GORMACHEV, A.I., insh.; MAKAR' YEV, P.N., insh.; MEYED! YEV, P.I., insh.

Modurnization of the SBK-1 tower crane. Mekh. stroi. 17 no.6:
(MIRA 13:6)

(Cranes, derricks, etc.)

MAKAR'EEV, F.N.; SIROTE, M.M.; VERESOV, V.Ya., inzh., nauchnyy red.;

ROTEMEERG, A.S., red.izd-va; ROZOV, L.K., tekhn.red.

[What's new in the mechanization of construction] Hovor v mekhanizateii stroitel'stva. Loningrad, Ges.izd-vo lit-ry po stroit.,
arkhit. i stroit.materialm, 1959. 62 p. (MIMA 13:6)

(Building machinery)

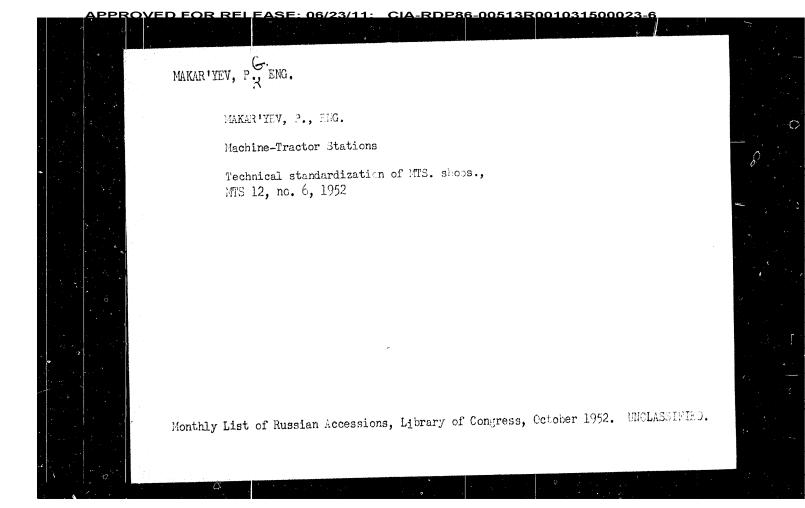
MAKAR'YEV. P.G.

GERSHANOV, S.V.; MAKAR'YEV, P.G.; VOL'FOVSKAYA, V.N., redaktor;
PERRUSHKO, To.I., tekhnicheskty redaktor.

[Frogressive practices in tractor repairing] Peredovol opyt remonts traktorov. Moskva, Gos. izd-vo sel skokhoz. lit-ry, 1954. 101 p.

(Tractors--Repairing)

(Tractors--Repairing)



MAKAR'YEV, P., insh.

Overall mechanization of housing construction. Na stroi. Ros.
no.11:13-15 N '61.

(MTRA 16:7)

1. Glavnoye Leningradskoye upravleniye po zhilishchnomu i grazhdanskomu stroitel'stru.

(Construction equipment industry)

KRASNIK, F.I.; MAKAR'YEV, G.S.; SHVEDSKAYA, A.G. Materials on the characteristics of a skin allergic test conducted with a Rickettsia prowazekii antigen. Trudy Len. inst, epid. i mikrobiol. 25:14-25 63. 1. Iz otdela osobo opasnykh infektsiy Leningradskogo inutituta epidemiologii i mikrobiologii imeni Pastera i Voyennomeditsinskoy ordena Lenina akademii imeni S.M. Kirova.

Marker Per. A.

"The Clinical and Laboratory Study of the Characteristics of Tearobarcral Regulation During Various Courses of Birth." Dr Ned Sci. Joint Council of a Group of Leningrad Insta, Acad Led Sci USSR, Leningrad, 1954. (RZhBiol, do 3, Feb 55)

So: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Eigher Educational Institutions (19)

MAKAR'YEV, F. A. -- "Characteristics of Neurohumoral Control During
Various Courses of Eirth From a Clinical Laboratory Viewpoint." Sub 31
Oct 52, Acad Med Sci USSR. (Dissertation for the Degree of Candidate
in Medical Sciences.)

S0: Vechernaya Moskva January-December 1952

MAKARIYAW, F. A.

"Data Concerning the Characteristics of the Cerebro-spinal
Fluid During Pregnancy and Births." Sub 16 Mar 51, Acad Med Sci USSR.

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6 MANARTIEV, B.M.; OMERRETENIT, V.I.; PERCYENII, B.B., retsenzent; PETROV, F.S., red. [Theory of remote control and homing guidance of rockets] Tooriia sistem teleupravleniia i samonovedeniia raket. Mo-skva, Izd-vo "Nauka," 1964. 536 p. (MIRA 17:6) APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500023-6